

What is claimed is:

1. An electrical wiring system including at least one electric circuit, the electric circuit including a plurality of wires configured to transmit electric power from an electric power source, the system comprising:
 - a plug connector device configured to terminate the plurality of wires, the plurality of wires being configured to transmit electrical power provided by an electrical power distribution system; and
 - an electrical wiring device configured to provide the electrical power to a load, the electrical wiring device including a receptacle disposed therein, the receptacle being configured to receive the plug device, whereby electrical continuity is established between the electrical wiring device and the plurality of wires when the plug device is inserted into the receptacle.
2. The system of claim 1, wherein the plug device includes female electrical contacts and the receptacle includes male electrical contacts.
3. The system of claim 1, wherein the plug device includes male electrical contacts and the receptacle includes female electrical contacts.
4. The system of claim 1, wherein the electrical wiring device includes a communications device configured to transmit a system status.
5. The system of claim 4, wherein the communications device is configured to transmit the system status via a communications wire, the plug connector being configured to accommodate the communications wire.
6. The system of claim 4, wherein the communications device is configured to transmit the system status optically.

7. The system of claim 4, wherein the communications device is configured to transmit the system status by way of an electromagnetic transmission.
8. The system of claim 7, wherein the electromagnetic transmission includes an RF signal.
9. The system of claim 4, wherein the communications device is configured to transmit the system status acoustically.
10. The system of claim 1, wherein the plurality of wires includes an AC power conductor and a neutral conductor.
11. The system of claim 1, wherein the plurality of wires are configured to carry three-phase power.
12. The system of claim 1, wherein the plurality of wires includes a ground wire.
13. The system of claim 1, wherein the electrical wiring device includes an electrical receptacle configured to accept a power plug coupled to an electrical load.
14. The system of claim 1, wherein the electrical wiring device includes an electrical switch.
15. The system of claim 1, wherein the electrical wiring device includes a GFCI device.
16. The system of claim 1, wherein the electrical wiring device includes a lighting fixture.
17. The system of claim 1, wherein the electrical wiring device includes a sensor device.

18. The system of claim 1, wherein the electrical wiring device includes a transient voltage surge suppressor.
19. The system of claim 1, wherein the electrical wiring device includes an environmental regulation device.
20. The system of claim 1, wherein the electrical wiring device includes a timer device.
21. The system of claim 1, wherein the plug device including a plurality of self-locking contacts, each self-locking contact accommodating one of the plurality of wires, such that electrical continuity is established between each wire and each plug contact, and wherein each plug contact corresponds to a contact disposed in the receptacle.
22. The system of claim 1, wherein the plug device includes a plurality of threaded wire-nut elements, each threaded wire-nut element being coupled to a plug contact and configured to accommodate one of the plurality of wires, such that electrical continuity is established between each wire and each plug contact, and wherein each plug contact corresponds to a contact disposed in the receptacle.
23. The system of claim 1, wherein the plug device further comprises:
- a first housing portion;
 - a second housing portion configured to mate with the first housing portion to thereby form the plug device housing;
 - a plurality of contacts including blade elements, the plurality of contacts being disposed in either the first plug connector housing or the second plug connector housing or both, the blade elements being configured to displace insulation disposed on the plurality of wires when the second plug connector housing is coupled to the first plug connector housing, whereby electrical continuity is established between each wire and a corresponding one of the plurality of contacts.

24. The system of claim 1, further including a second plurality of wires configured to transmit electric power to a feed-through device, wherein the plug device is configured to terminate the second plurality of wires to thereby electrically couple the electric power source to the second plurality of wires.

25. The system of claim 24, wherein the electrical wiring device includes an electrical receptacle configured to accept a power plug coupled to an electrical load.

26. The system of claim 24, further comprising a second plug connector device configured to terminate the second plurality of wires, the second plurality of wires being configured to transmit electrical power provided by an electrical power distribution system to the feed-through device.

27. The system of claim 26, wherein the electrical wiring device includes an electrical receptacle configured to accept a power plug coupled to an electrical load.

28. The system of claim 1, further comprising a latching mechanism configured to prevent the plug connector device from being removed from the receptacle to thereby ensure that electrical continuity is maintained between the electrical wiring device and the plurality of wires.

29. The system of claim 28, wherein the latching mechanism is manually moveable to permit removal of the plug connector device from the receptacle.

30. The system of claim 28, wherein the latching mechanism provides an indication that the plug connector is locked in the inserted position.

31. The system of claim 28, wherein the indication is an audible indication.

32. The system of claim 28, wherein the indication is a visual indication.

33. A method for installing electrical wiring, the method comprising:

installing a plurality of wires from a first location to an electrical device location, at least a portion of the plurality of wires being configured to transmit electrical power;

terminating the plurality of wires with a plug connector;

providing an electrical wiring device configured to provide electrical power to a load, the electrical wiring device including a receptacle disposed therein, the receptacle being configured to receive the plug device; and

inserting the plug connector into the receptacle, whereby electrical continuity is established between the electrical wiring device and the plurality of wires.

34. The method of claim 33, and wherein the step of terminating includes the step of inserting each of the plurality of wires into a self-locking contact element within the plug connector, such that there is electrical continuity between each wire and each plug contact.

35. The method of claim 33, wherein the step of terminating further comprises the steps of:

inserting each wire into a corresponding one of a plurality of threaded wire-nuts coupled to the plug connector, each threaded wire nut being coupled to a plug contact and configured to accommodate one of the plurality of wires; and

twisting each wire-nut such that the wire is secure within the wire-nut and electrical continuity is established between each wire and each plug contact.

36. The method of claim 33, wherein the step of terminating further comprises:

inserting the plurality of wires into a first plug connector housing; and

coupling a second plug connector housing to the first plug connector housing to thereby terminate the plurality of wires in the plug connector, either the first plug connector housing or the second plug connector housing, or both, including contacts having blade elements, the blade elements being configured to displace insulation disposed on the plurality of wires when the second plug connector housing is coupled to the first plug connector housing, whereby electrical continuity is established between each wire and a corresponding contact.

37. The method of claim 33, wherein the plug device includes female electrical contacts and the receptacle includes male electrical contacts.

38. The method of claim 33, wherein the plug device includes male electrical contacts and the receptacle includes female electrical contacts.

39. The method of claim 33, wherein the step of installing further comprises:
disposing conduit between the first location and the second location; and
pulling the plurality of wires through the conduit.

40. A plug connector configured to terminate a plurality of wires, the plurality of wires being configured to transmit electrical power provided by an electrical power distribution system, the connector comprising:

a housing having a shape configured to fit within with a corresponding receptacle; and

a plurality of self-locking contacts disposed in the housing, each of the plurality of self-locking contacts being configured to terminate one of the plurality of wires, such that electrical connectivity is established between each self-locking contact and one wire.

41. A plug connector configured to terminate a plurality of wires, the plurality of wires being configured to transmit electrical power provided by an electrical power distribution system, the connector comprising:

- a housing having a shape configured to fit within with a corresponding receptacle;
- a plurality of contacts disposed with the housing; and
- a plurality of wire nut devices, each wire nut device being coupled to one contact, each wire nut device being configured to terminate a wire, such that electrical continuity is established between a wire and one of the plurality of contacts.

42. A plug connector configured to terminate a plurality of wires, the plurality of wires being configured to transmit electrical power provided by an electrical power distribution system, the connector comprising:

- a first housing portion;
- a second housing portion configured to mate with the first housing portion to thereby form the plug device housing;
- a plurality of contacts including blade elements, the plurality of contacts being disposed in either the first plug connector housing or the second plug connector housing or both, the blade elements being configured to displace insulation disposed on the plurality of wires when the second plug connector housing is coupled to the first plug connector housing, whereby electrical continuity is established between each wire and a corresponding one of the plurality of contacts.

43. An electrical wiring device, the device comprising:

- a housing;
- a power output element disposed within the housing, the power output element being configured to provide electrical power to a load; and
- an input receptacle disposed within the housing, the input receptacle including a plurality of electrical receptacle contacts, whereby electrical continuity is

established between the plurality of electrical receptacle contacts and the power output element such that electrical power may be transmitted from the plurality of electrical receptacle contacts to the power output element.

44. The device of claim 43, wherein the input receptacle is configured to receive a plug device, the plurality of electrical receptacle contacts being configured to mate with a plurality of contacts in the plug device.
45. The system of claim 43, wherein the electrical wiring device includes an electrical receptacle configured to accept a power plug coupled to an electrical load.
46. The system of claim 43, wherein the electrical wiring device includes an electrical switch.
47. The system of claim 43, wherein the electrical wiring device includes a GFCI device.
48. The system of claim 43, wherein the electrical wiring device includes a lighting fixture.
49. The system of claim 43, wherein the electrical wiring device includes a sensor device.
50. The system of claim 43, wherein the electrical wiring device includes a transient voltage surge suppressor.
51. The system of claim 43, wherein the electrical wiring device includes an environmental regulation device.

52. The system of claim 43, wherein the electrical wiring device includes a timer device.